Varian A-60 NMR

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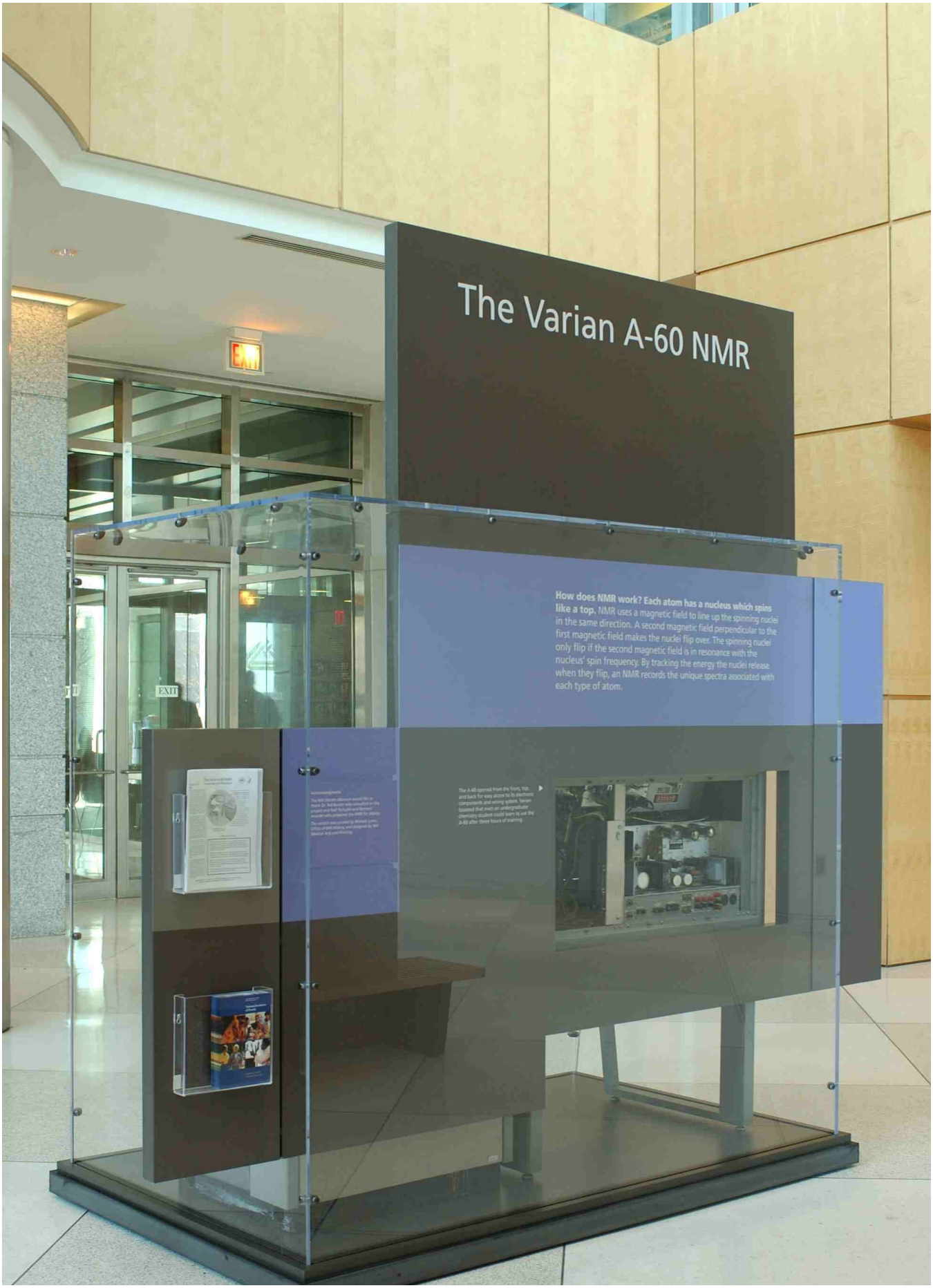
The Varian A-60 NMR
How does NMR work? Each atom has a nucleus which spins like a top. NMR uses a magnetic field to line up the spinning nuclei in the same direction. A second magnetic field perpendicular to the first magnetic field makes the nuclei flip over. The spinning nuclei only flip if the second magnetic field is in resonance with the nucleus' spin frequency. By tracking the energy the nuclei release when they flip, an NMR records the unique spectra associated with each type of atom.
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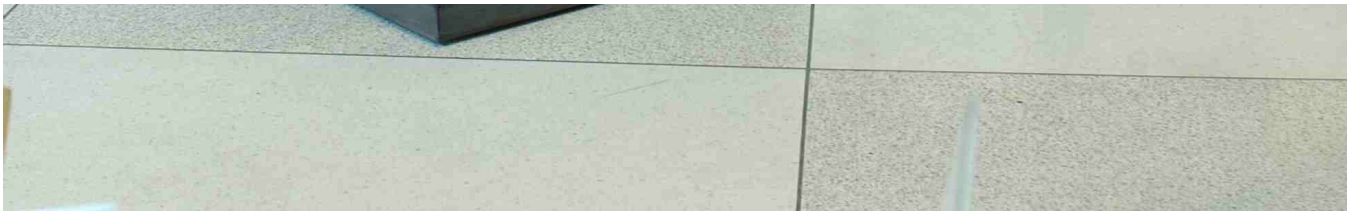

A Varian A-60 NMR (Nuclear Magnetic Resonance) used at NIH in the 1960s is located in Building 50.